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DRIVING METHOD FOR ELECTROPHORESIS DISPLAY ELEMENT

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Abstract: PURPOSE: To obtain the coloring state of a display element by applying 1st DC high voltage to a translucent type electrophoresis display element and then applying and holding a 2nd DC low voltage to obtain the translucent state of the display element and applying an AC voltage to a transparent electrode film.

CONSTITUTION: The 1st DC high voltage V_1 of 300V is applied between the transparent electrodes 2a and 2b so that the polarity of the mesh or striped transparent electrode film 2b is opposite from the polarity of the electrostatic charging of dispersed particles 3. Then the 2nd DC low voltage V_2 of 100V is applied between the transparent electrodes 2a and 2b and held so that the polarity of the mesh or striped transparent electrode film 2b is opposite from the polarity of the electrostatic charging of the dispersed particles 3, thereby obtaining the translucent state of the display element. Then the sine wave of 50Hz in frequency and 150V in voltage V_3 is applied between the transparent electrodes 2a and 2b as an AC voltage to obtain the coloring state.

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